

**Marcantoni, Paul**

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L4 ANSWER 84 OF 93 CA COPYRIGHT 2006 ACS on STN

Full Text: [References](#)

AN 98:112714 CA

ED Entered STN: 12 May 1984

TI Mixed cement materials suitable for manufacture of glass  
 fiber-reinforced concrete

PA Nippon Sheet Glass Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC C04B031-06; C04B013-21; C04B031-10; C04B031-20

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 57156361	A2	19820927	JP 1981-38265	19810317
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JP 63016355	B4	19880408		
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PRAI JP 1981-38265		19810317		
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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JP 57156361	IC	C04B031-06; C04B013-21; C04B031-10; C04B031-20
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IPCI	C04B0031-06; C04B0013-21; C04B0031-10; C04B0031-20
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AB Rapid-hardening cement is mixed with fly ash, volcanic ash, white earth, clay, SiO<sub>2</sub>, and/or glass powder at a 1:(0.4-9) wt. ratio and used to manuf. glass fiber-reinforced concrete articles. Thus, a mixt. contg. rapid-hardening cement 1, sand 0.6, water 0.33, a water-reducing agent 0.025, citric acid [77-92-9] 0.003, and fly ash 1 part was mixed with 5% alkali-resistant glass fibers, molded, and hardened to give a plate having high strength.

ST fly ash fiber reinforced mortar; glass fiber mortar plate

IT Mortar